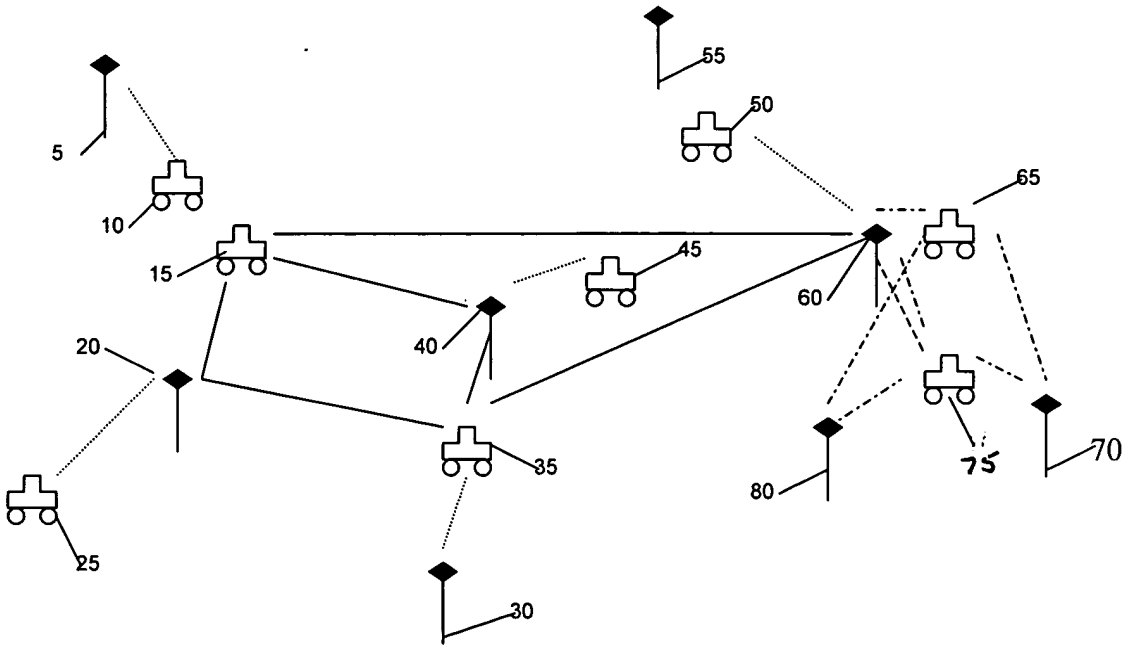

Fig. 1

1 frame

base 1	control into	X	simulcast	2-way	2-way
base 2	X	control	simulcast	2-way	2-way
"					
"					
"					
base N	control	X	simulcast	2-way	2-way

time

Fig. 2

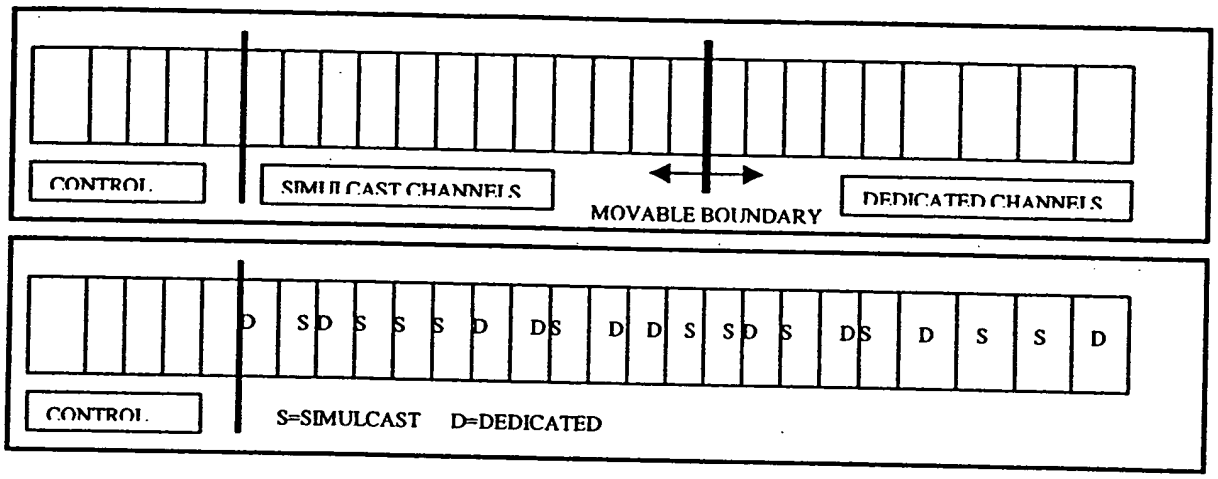
CONTROL
SIMULCAST CHANNELS
MOVABLE BOUNDARY
DEDICATED CHANNELS
CONTROL
S=SIMULCAST D=DEDICATED

Fig. 3

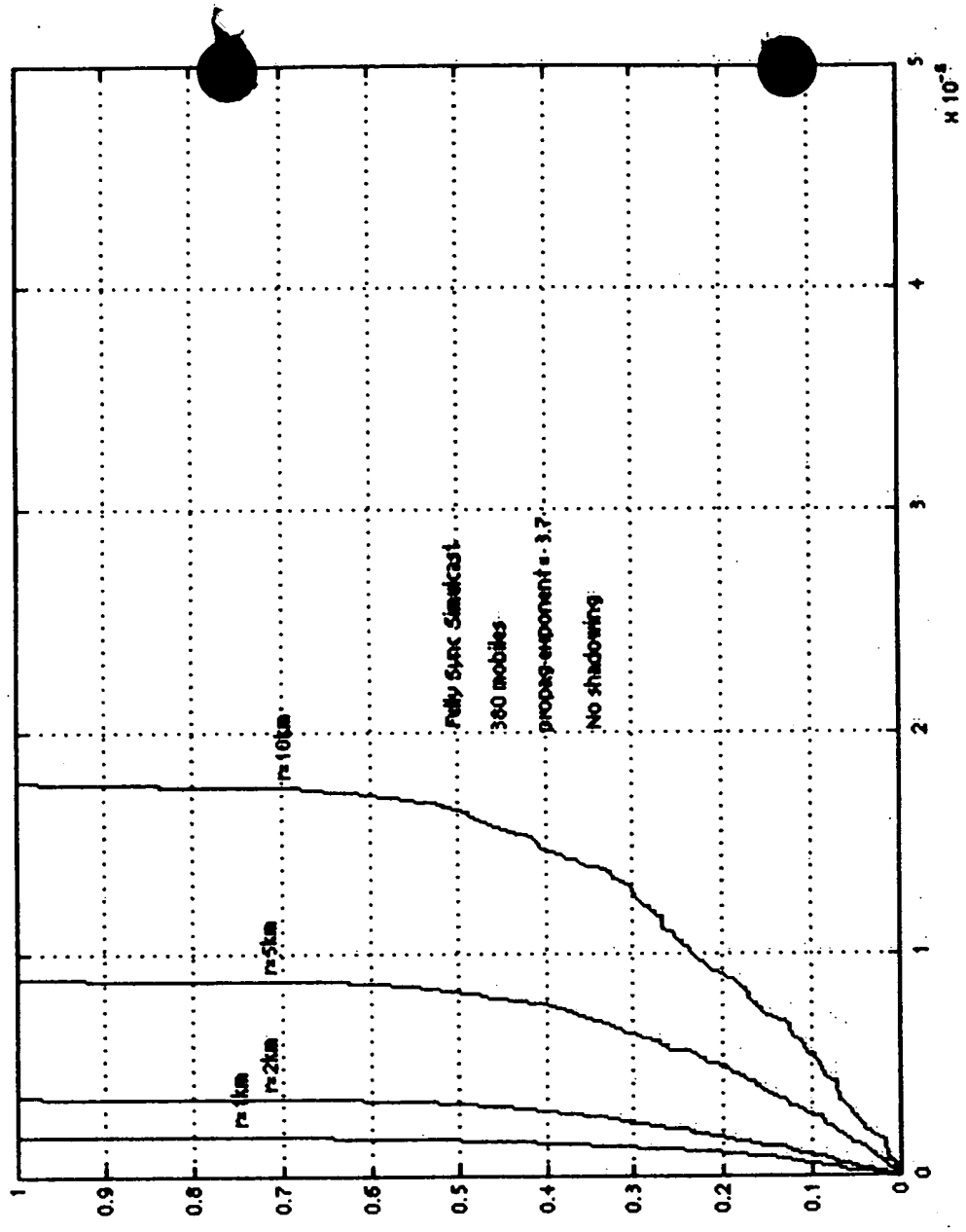
r=10ka
r=5ka
r=2ka
r=1ka
Fully Sync Simulcast
360 mobiles
propag exponent = 3.7
No shadowing
x 10^-4
0
1
2
3
4
5
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

FIG. 4

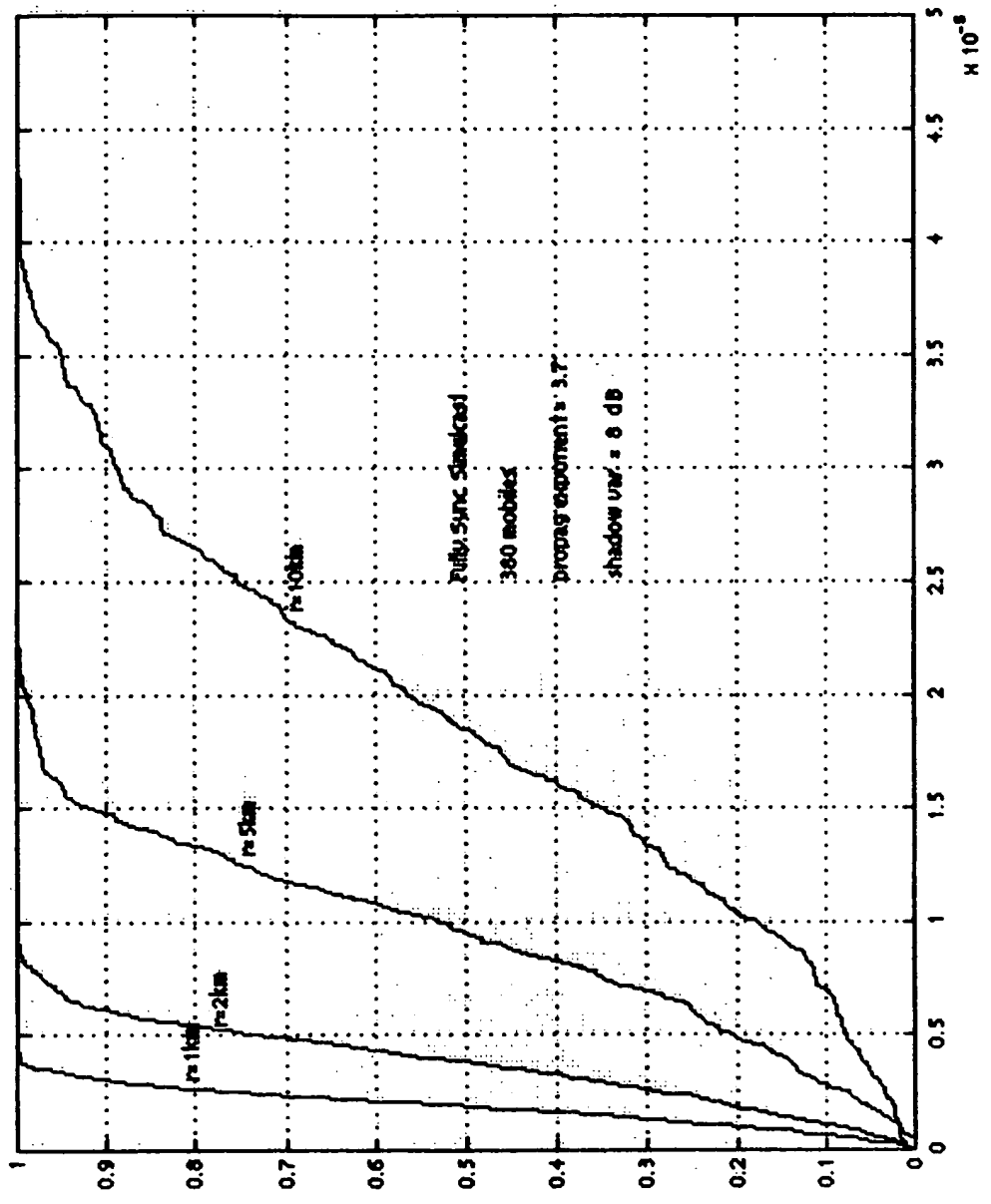
Fully Sync Standard
360 mobiles
propag exponent = 3.7
shadow var = 8 dB
r= 10km
r= 5km
r=2km
r= 1km
x 10^-8
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

FIG. 5

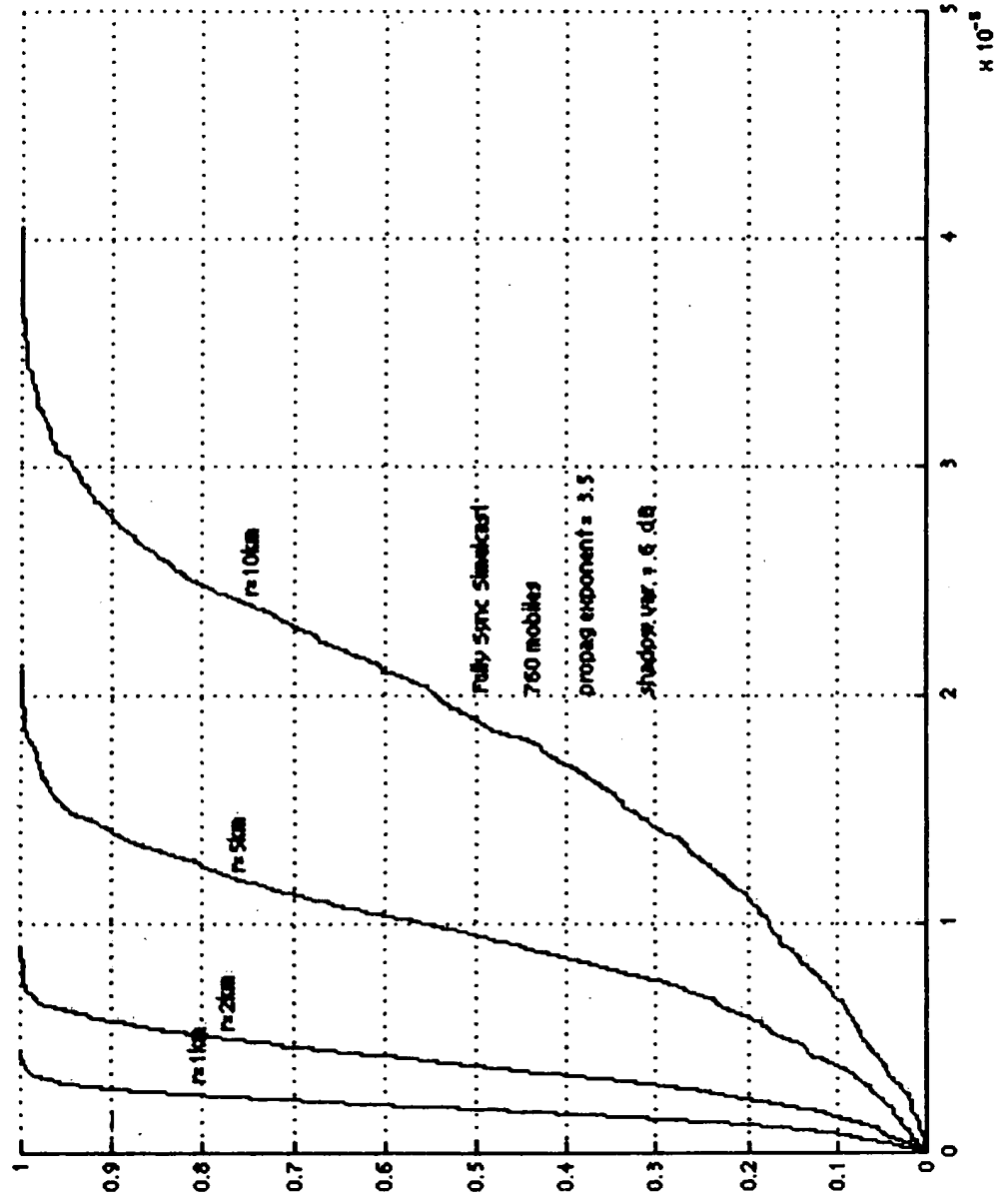
r=10km
r=5km
r=2km
r=1km
Fully Sync Simulcast
760 mobiles
propag exponent = 3.5
shadow var = 6 dB
x 10^-8
0
1
2
3
4
5
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

FIG. 6